

**AMENDMENTS TO THE CLAIMS**

Claims 1-23 (Cancelled).

24. (Previously presented) An image data coding apparatus comprising:  
a motion compensator;  
a transformer;  
a quantizer comprising at least two different quantizing tools;  
an inverse quantizer comprising at least two different inverse quantizing tools; and  
an inverse transformer;  
said image data coding apparatus transmitting information indicating tools constituting a decoding algorithm for decoding a coded image data including information indicating an inverse quantizing tool for inverse quantizing the coded image data.

25. (Currently amended) The image data coding apparatus of claim 24 wherein said at least two different inverse quantizing tools comprise a first inverse quantizing tool having a first processing capability and a second inverse quantizing tool having a second processing capability different than the first processing capability.

26. (Currently amended) The image data coding apparatus of claim 24 wherein said information indicating an inverse quantizing tool comprises information identifying ~~a~~ an inverse quantizing tool.

27. (Currently amended) The image data coding apparatus of claim 24 wherein said information indicating an inverse quantizing tool comprises information indicating a processing capability of ~~a~~ an inverse quantizing tool.

28. (Currently amended) The image data ~~decoding~~ coding apparatus of claim 25 wherein said information indicating an inverse quantizing tool comprises information specifying said first inverse quantizing tool or said second inverse quantizing tool.

29. (Previously presented) An image data decoding apparatus comprising:  
a motion compensator;  
an inverse quantizer comprising at least two different inverse quantizing tools; and  
an inverse transformer;  
said image data decoding apparatus receiving information indicating tools constituting a decoding algorithm for decoding a coded image data including information indicating an inverse quantizing tool for inverse quantizing the coded image data.

30. (Previously presented) The image data decoding apparatus of claim 29 wherein said at least two different inverse quantizing tools comprise a first inverse quantizing tool having a first processing capability and a second inverse quantizing tool having a second processing capability different than the first processing capability.

31. (Previously presented) The image data decoding apparatus of claim 29 wherein said information indicating an inverse quantizing tool comprises information identifying a an inverse quantizing tool.

32. (Previously presented) The image data decoding apparatus of claim 29 wherein said information indicating an inverse quantizing tool comprises information indicating a processing capability of a an inverse quantizing tool.

33. (Previously presented) The image data decoding apparatus of claim 30 wherein said information indicating an inverse quantizing tool comprises information specifying said first inverse quantizing tool or said second inverse quantizing tool.

34. (New) The image data coding apparatus of claim 25 wherein said information indicating an inverse quantizing tool comprises information identifying an inverse quantizing tool.

35. (New) The image data decoding apparatus of claim 30 wherein said information indicating an inverse quantizing tool comprises information identifying an inverse quantizing tool.